

FIG. 1

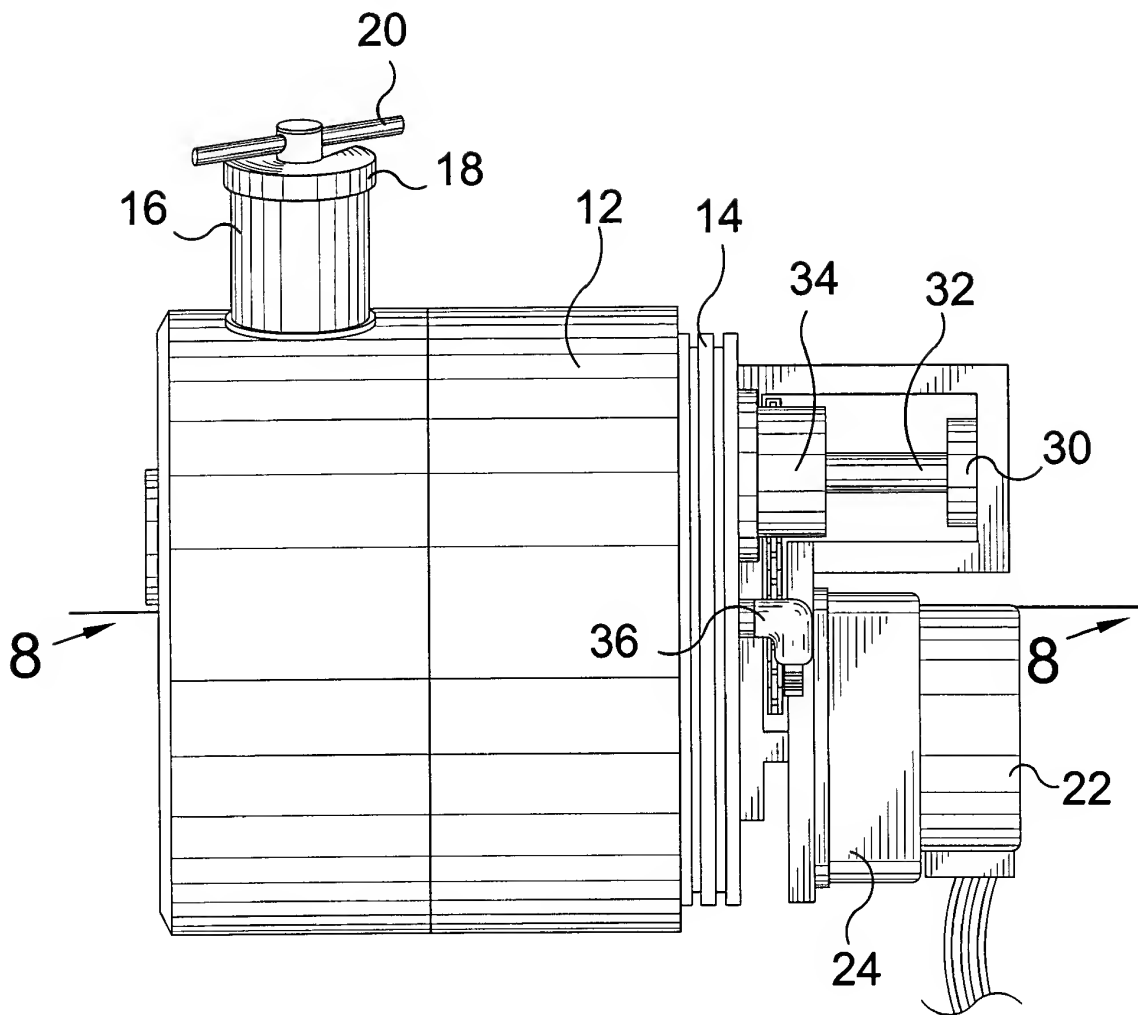


FIG. 2

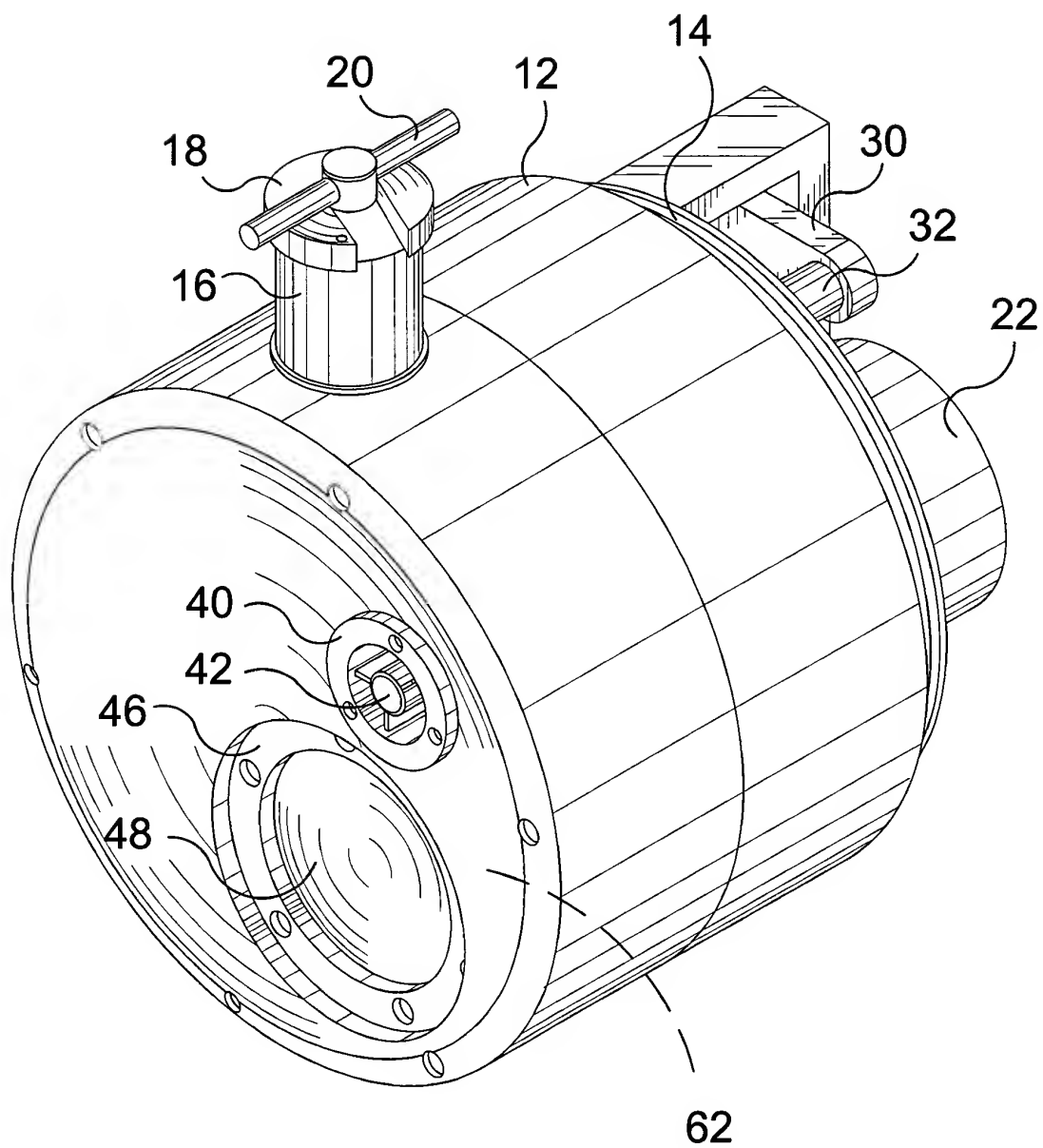


FIG. 3

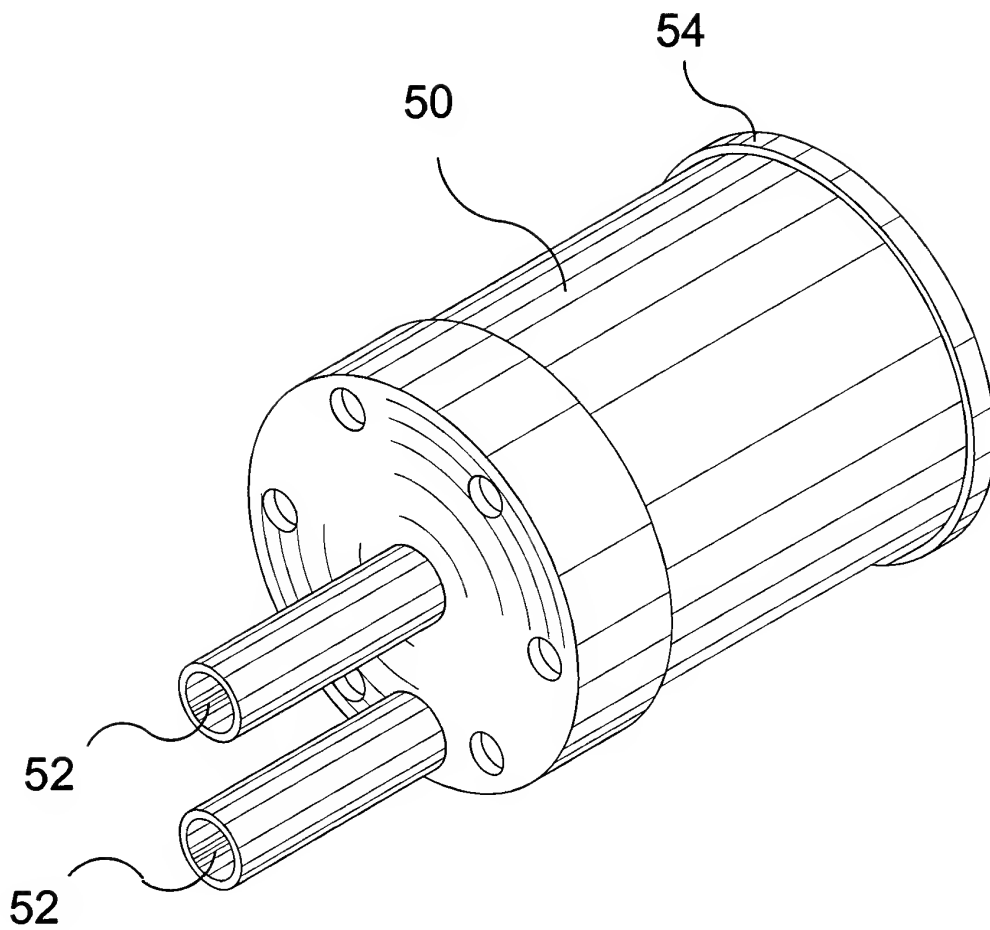


FIG. 4

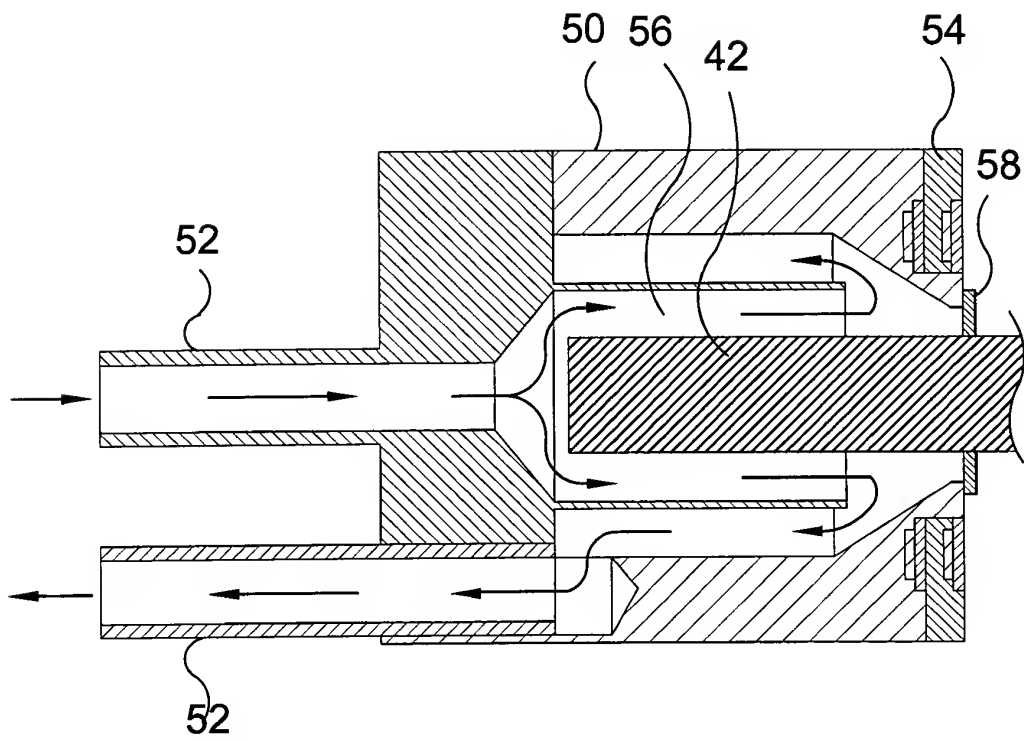


FIG. 5

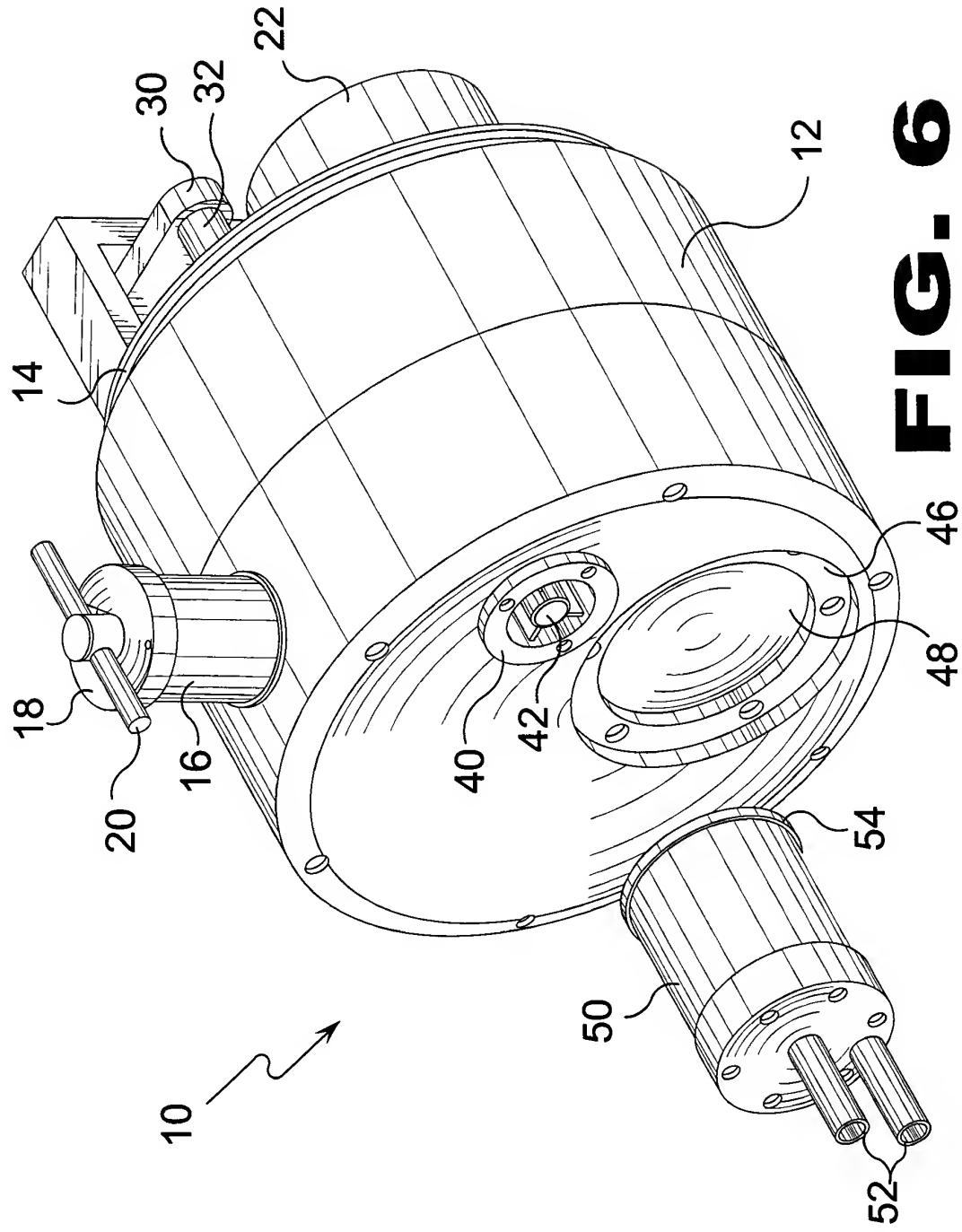


FIG. 6

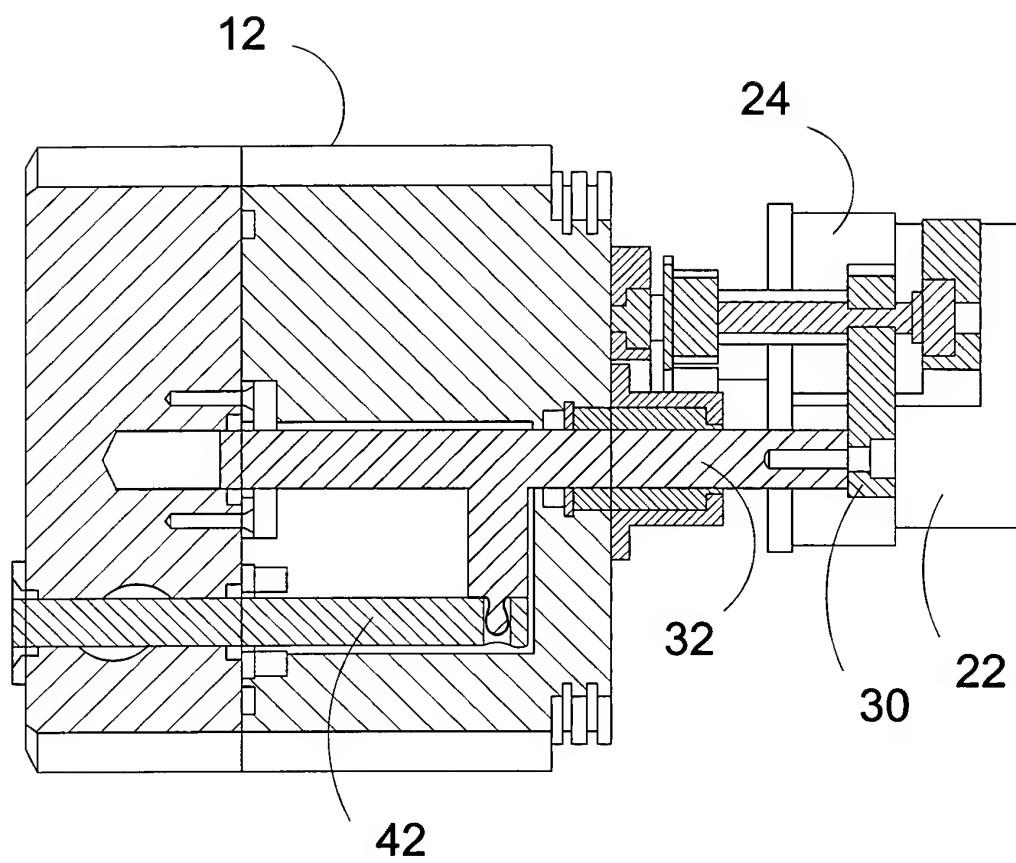


FIG. 7

FIG. 8

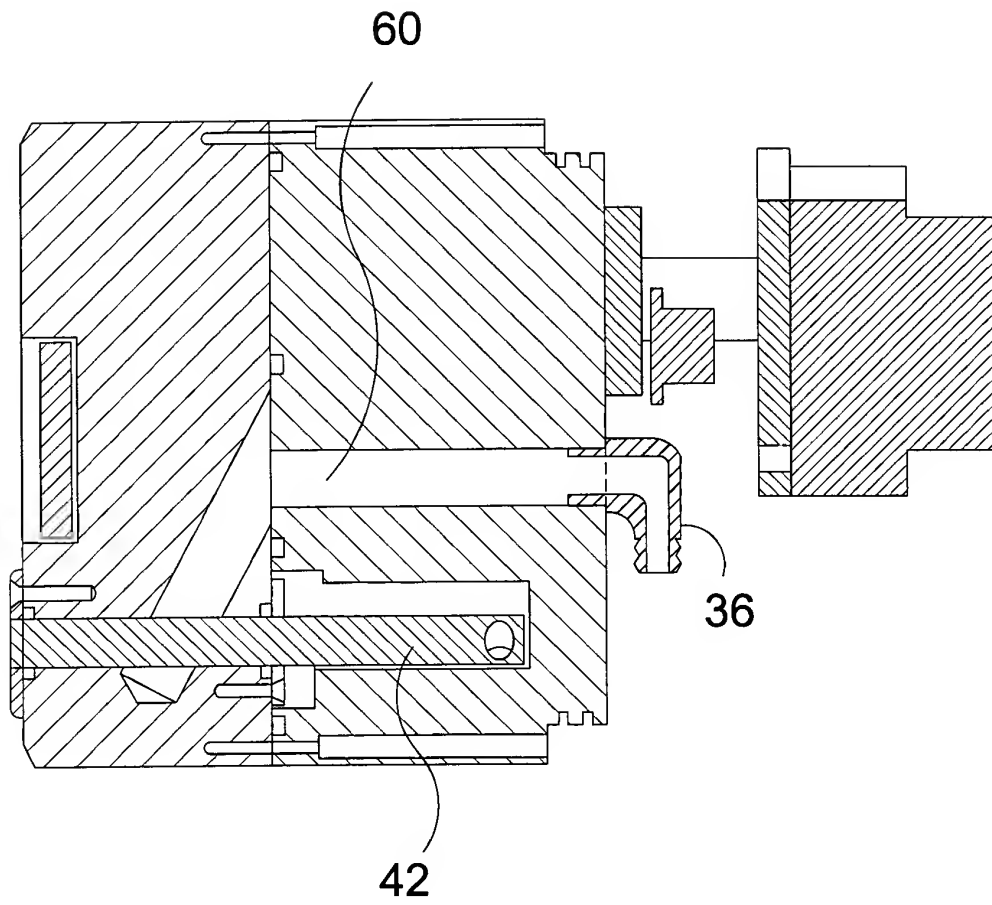


FIG. 8

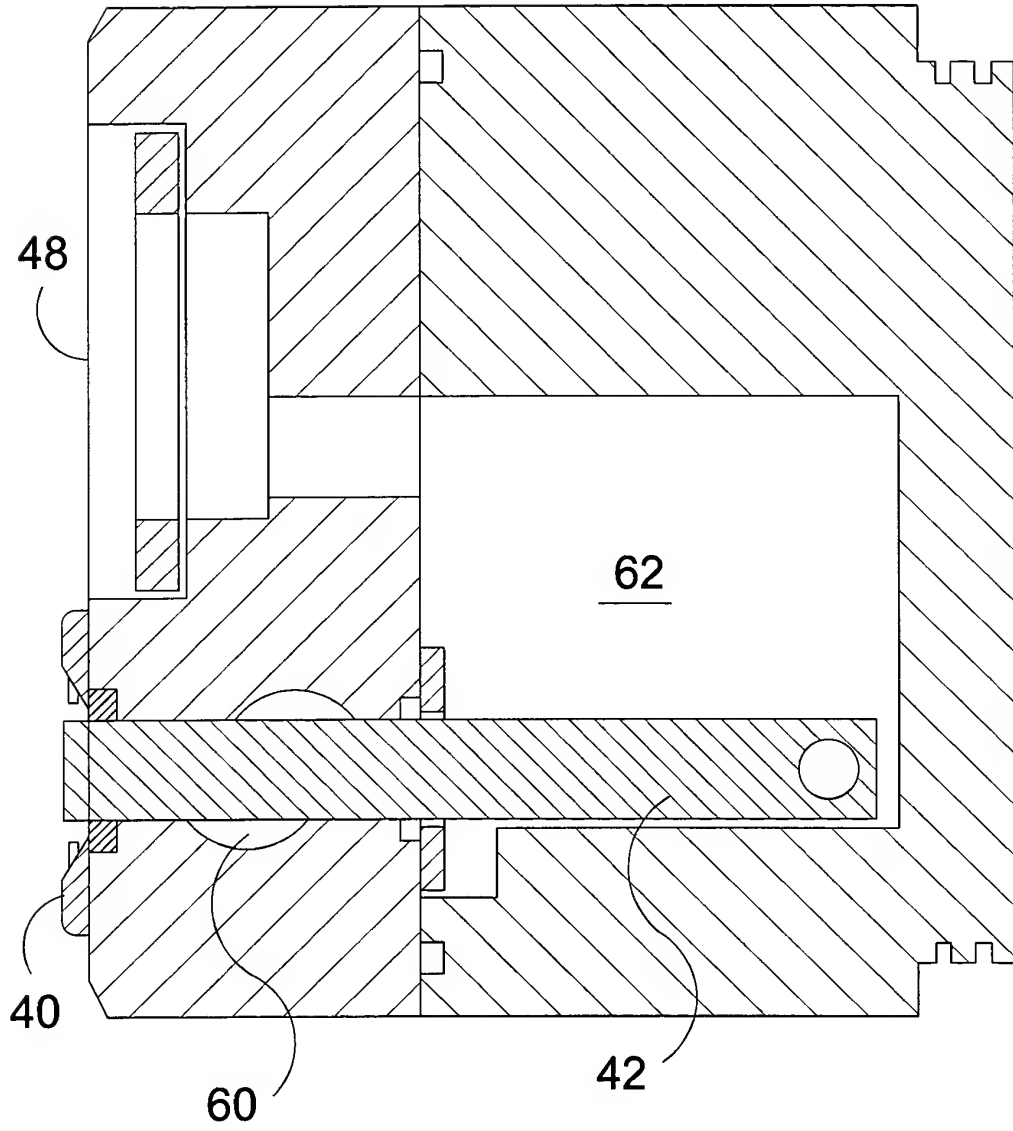


FIG. 9

FIG. 10 is a cross-sectional view of the device taken along line 10-10 of FIG. 1.

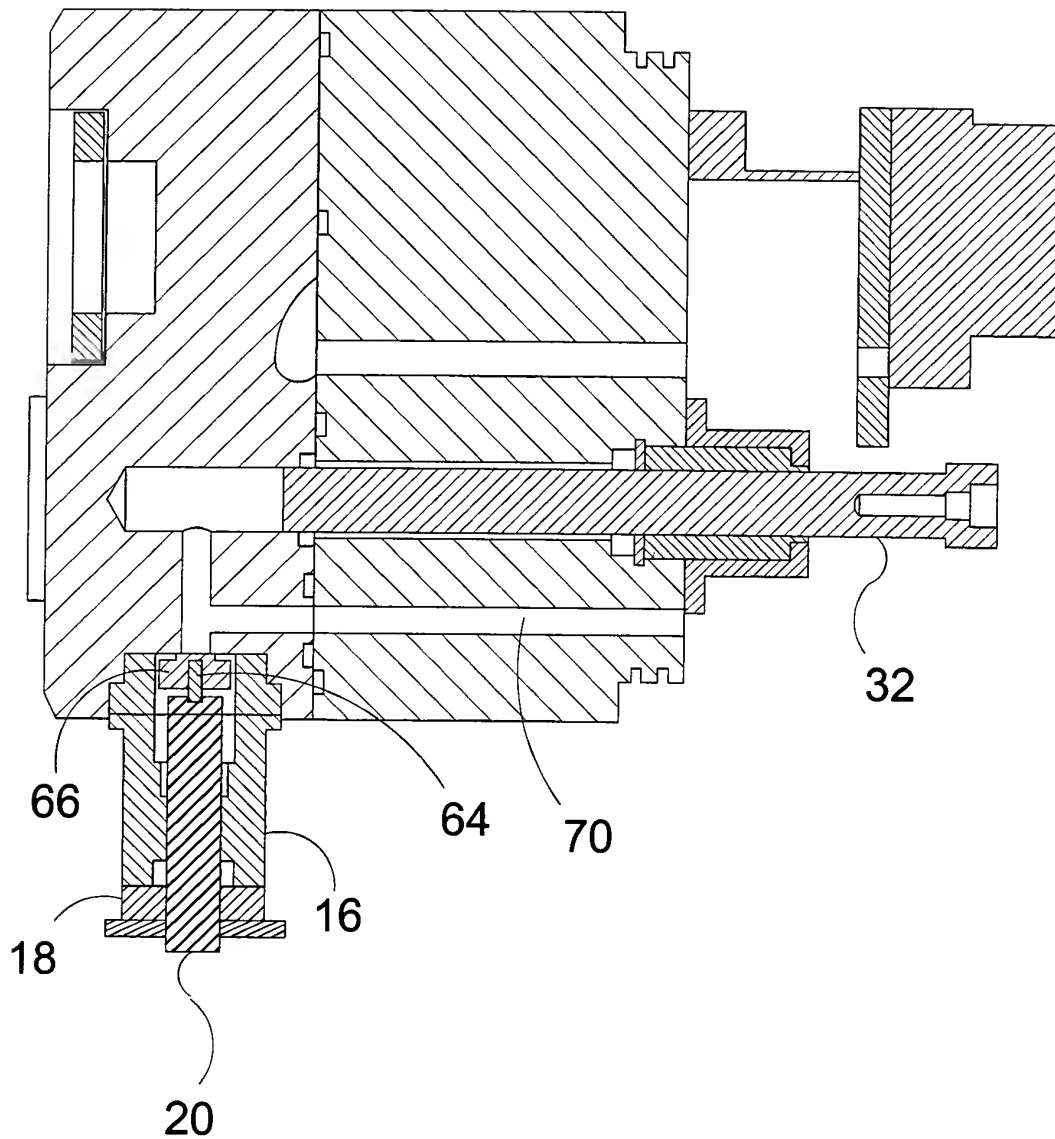


FIG. 10

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STEPPER MOTOR ACTIVATED.

STEPPER MOTOR DRIVES ROD ASSEMBLY.

ROD ASSEMBLY TRAVELS TOWARDS THE OUTSIDE OF THE PRESSURE/VACUUM HOUSING.

ENGINEERED LEAKS IN THE SEAL/ROD ASSEMBLY ALIGN TO ALLOW GASES OR FLUIDS FROM THE INTERNAL STANDARD RESERVOIR TO BE SAMPLED BY THE SAMPLER ROD.

SAMPLER ROD TRAVELS INTO THE PLENUM AND REVERSES MOVEMENT BACK TOWARDS THE INSIDE OF THE PRESSURE HOUSING

ENGINEERED LEAKS IN THE SEAL/ROD ASSEMBLY ALIGN TO ALLOW EXTERNAL GASES OR FLUIDS INTRODUCED INTO THE PLENUM TO BE SAMPLED BY THE SAMPLER ROD.

FIG. 11